

Docket No.: 0032-0292PUS1

(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: Tomokaz YOSHINAGA et al.

Application No.: 10/590,115

Application No.: 10/590,11

ni 140.. 10/390,113

Filed: August 18, 2006

For: A SCREENING METHOD FOR A RIBONUCLEASE H INHIBITOR OF A REVERSE TRANSCRIPTASE Confirmation No.: N/A

Art Unit: N/A

Examiner: Not Yet Assigned

INFORMATION DISCLOSURE STATEMENT (SUBMISSION CONCURRENT WITH THE FILING OF A NEW PATENT APPLICATION)

MS Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98, applicant(s) hereby submit(s) an Information Disclosure Statement for consideration by the Examiner.

I. <u>LIST OF PATENTS, PUBLICATIONS OR OTHER INFORMATION</u>

The patents, publications, or other information submitted for consideration by the Office are listed on the PTO-SB08(s), attached hereto.

II. COPIES

a. Copies of cited U.S. patents and patent application publications are not included.
 Copies of foreign patent documents and non-patent literature are included.

Birch, Stewart, Kolasch & Birch, LLP DRN/tmh

Application No.: 10/590,115 Docket No.: 0032-0292PUS1 Some or all of the documents listed on the PTO-SB08 are not enclosed because b. they were cited in the International Search Report and copies should already be in the PTO file. If copies are needed, please contact the undersigned. c. REFERENCES PREVIOUSLY CITED OR SUBMITTED - Pursuant to 37 C.F.R. §1.98(d), consideration of information listed on the PTO-SB08 form(s) is requested since any patents, publications, or other information which are listed on the PTO-SB08 form(s) but for which copies are not enclosed herewith, were previously cited by or submitted to the PTO in one of the following applications which has been relied upon for an earlier filing date under 35 U.S.C. § 120: U.S. Appl. No(s) and U.S. Filing Date PCT/JP2005/003100 filed February 25, 2005 III. CONCISE EXPLANATION OF THE RELEVANCE (check at least one box) \boxtimes DOCUMENTS IN THE ENGLISH LANGUAGE - The patents, publications, or other information listed on the attached PTO SB08 are in the English language and therefore, do not require a statement of relevancy. DOCUMENTS NOT IN THE ENGLISH LANGUAGE - A concise explanation of the relevance of all patents, publications, or other information listed that is not in the English language is as follows: ENGLISH LANGUAGE SEARCH REPORT - An English language version of the search report or action that indicates the degree of relevance found by the foreign office is attached. thereby satisfying the requirement for a concise explanation. See MPEP 609(III)(A)(3). d OTHER - The following additional information is provided for the Examiner's consideration.

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Application No.: 10/590,115 Docket No.: 0032-0292PUS1 IV. FEES (check one box) This Information Disclosure Statement is being filed concurrently with the filing of a new patent application; therefore, no fee is required. This Information Disclosure Statement is being filed concurrent with the filing of a continuation-in-part, continuation, or divisional patent application; therefore, no fee is required. This Information Disclosure Statement is being filed within three months of the filing date of a national application (37 C.F.R. § 1.97(b)(1)). No fee or statement is required. (This section is not to be used with RCE's.) d. This Information Disclosure Statement is being filed within three months of the date of entry of the national stage as set forth in § 1.491 in an international application (37 C.F.R. § 1.97(b)(2)). No fee or statement is required. This Information Disclosure Statement is being filed concurrently with the filing of a Request for Continued Examination under § 1.114 (37 C.F.R. § 1.97(b)(4)). No fee or statement is required. X f This Information Disclosure Statement is being filed before the mailing date of a first Action on the merits (37 C.F.R. § 1.97(b)(3)). No fee or statement is required. In the event that a first Office Action on the merits has been issued, please consider this IDS under 37 C.F.R. § 1.97(c) and see the statement under 37 C.F.R. § 1.97(e) below, or, if no statement has been made, charge our deposit account for the fee as required by 37 C.F.R. § 1.17(p). This Information Disclosure Statement is being filed before the mailing date of a Final Office Action under 37 C.F.R. § 1.113 (See 37 C.F.R. § 1.97(c)(1)) or before the mailing

 $\hfill \square$ No statement; therefore, a fee as required by 37 C.F.R. § 1.17(p) is attached. or $\hfill 3 \hfill DRN/tmh$

date of a Notice of Allowance under 37 C.F.R. § 1.311 (See 37 C.F.R. § 1.97(c)(2)).

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See the statement below. No fee is required. V. STATEMENT UNDER 37 C.F.R. § 1.97(e) (check only one box) The undersigned hereby states that: П Each item of information contained in the IDS was first cited in any communication from a foreign Patent Office in a counterpart foreign application not more than 30 days prior to the filing of this IDS; or Each item of information contained in the IDS was first cited in any communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS; or No item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of the IDS. d. Some of the items of information were cited in a communication from a foreign Patent Office. As to this information, the undersigned states that each item of information contained in the IDS was first cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby states that no item of this remaining

information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application and, to the best of my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months

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VI.	PAYMENT OF FEES (check one box)						
		The required fee is listed o	n the attached Fee Transmittal.				
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reques	signed.	If it is determined that this	concerning this IDS, he/she is requested to contact the IDS has been filed under the wrong rule, the PTO is proper rule and charge the appropriate fee to Deposit				
	s, to cha	arge payment or credit any	is hereby authorized in this, concurrent, and future overpayment to our Deposit Account No. 02-2448 for F.R. § 1.16 or under § 1.17; particularly, extension of				
Dated	Octob	per 27, 2006	Respectfully submitted,				
			By Mark J. Nuell Registration No.: 36,623 BIRCH, STEWART, KOLASCH & BIRCH, LLP 8110 Gatehouse Road Suite 100 East P.O. Box 747 Falls Church, Virginia 22040-0747 (703) 205-8000 Attorney for Applicant				
Attach	ment(s):					
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Examiner

Signature

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'''				Application Number	10/590,115	
l IN	IFORMATION	1 DI	SCLOSURE	Filing Date	August 18, 2006	
l s	TATEMENT E	3Y /	APPLICANT	First Named Inventor	Tomokaz YOSHINAGA	
l				Art Unit	N/A	
L	(Use as many sh	eets a:	s necessary)	Examiner Name	Not Yet Assigned	
Sheet	Sheet 1 of 2		Attorney Docket Number	0032-0292PUS1		

U.S. PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ² (#known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ -Number -Kind Code ⁴ (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	™		
7D.T./		WO - 03/103610 A2	12/18/2003			F		

**EXAMINES: Initial if reference considered, whether or not classion is in conformance with MPEP 600. Draw line through classion if not in performance and not considerable. Index classify of this comparation of the conformance and not considerable in the comparation of the conformance and not considerable in the conformance and not considerable in the conformance and not conformance and not considerable in the conformance and not conformance

NON PATENT LITERATURE DOCUMENTS						
Examiner Initials No.1 Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), gandfor country where published.			T²			
/D.T./		PALANIAPPAN et al., "Mutations within the Primer Grip Region of HIV-I Reverse Transcriptase Result in Loss of Rnase H Function", Vol.272, pgs 11157-11164 (1997)				
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/D.T./		RYCHETSKY et al., "Development of a Nonradioactive Ribonuclease H Assay", Analytical Biochemistry 239, 113-115 (1996)				
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/D.T./		SHAO et al., "Colorimetric asays for evaluation of the mode of action of human immunodeficiency virus type 1 non-nucleoside reverse transcriptase inhibitors", Antiviral Chemistry & Chemotherapy, Vol. 9, No. 2, pp 167-176 (1998)				
/D.T./		FAN et al., "Simultaneous mutations at Tyr-181 and Tyr-188 in HIV-1 reverse transcriptase prevents inhibition of RNA-dependent DNA polymerase activity by the bisheteroraryloiperazine				

/David Thomas/

Date

Considered



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Substitu	te for form 1449/F	то			Complete if Known		
				Application Number	10/590,115		
INF	ORMATI	ON DI	SCLOSURE	Filing Date	August 18, 2006		
ST	ATEMEN	T BY	APPLICANT	First Named Inventor	Tomokaz YOSHINAGA		
				Art Unit	N/A		
(Use as many sheets as necessary)				Examiner Name	Not Yet Assigned		
Sheet	2	of	2	Attorney Docket Number	0032-0292PUS1		

/D.T.	(BHAP) U-90152s, Federation of European Biochemical Societies, Vol. 370, Nos. 1 & 2, pgs 59-62 (1995)	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	/David Thomas/	Date Considered	09/22/2008
Birch, Stewa	rt, Kolasch & Birch, LLP		DRN/tmh